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1. A method of operating an access system including an access server to provide access between a user system and a plurality of communication networks that provide services to a user, the method comprising:
- receiving information including a first alias into the access server;
- 5 processing the information to determine whether an alias translation exists for the first alias in an alias schedule; and
- modifying the information based on the alias translation in response to the determination the alias translation exists.
- 10 2. The method of claim 1 wherein modifying the information comprises translating the first alias into a second alias for a network device.
3. The method of claim 1 wherein modifying the information comprises translating the first alias into a network address of a network device.
- 15 4. The method of claim 1 wherein the first alias comprises a domain name.
5. The method of claim 1 wherein the first alias comprises a network address.
- 20 6. The method of claim 1 wherein the first alias comprises a macro for a network resource.
7. The method of claim 1 wherein the alias schedule comprises the alias translation.
- 25 8. The method of claim 1 wherein the alias schedule comprises a time for the alias translation to remain active.
9. The method of claim 1 further comprising:

generating and transmitting a request for the alias translation to a database system in response to the determination that the alias translation does not exist for the first alias in the alias schedule;

receiving a reply including the alias translation from the database system; and
processing the reply to store the alias translation in the alias schedule.

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10. A software product for providing access between a user system and a plurality of communication networks that provide services to a user, the software product comprising:

access server software operational when executed by a processor to direct the

10 processor to receive information including a first alias into an access server, process the information to determine whether an alias translation exists for the first alias in an alias schedule, and modify the information based on the alias translation in response to the determination the alias translation exists; and

a software storage medium operational to store the access server software.

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11. The software product of claim 10 wherein the access server software is operational when executed by the processor to direct the processor to translate the first alias into a second alias for a network device.

20 12. The software product of claim 10 wherein the access server software is operational when executed by the processor to direct the processor to translate the first alias into a network address of a network device.

13. The software product of claim 10 wherein the first alias comprises a domain name.

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14. The software product of claim 10 wherein the first alias comprises a network address.

15. The software product of claim 10 wherein the first alias comprises a macro for a network resource.

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16. The software product of claim 10 wherein the alias schedule comprises the alias translation.

17. The software product of claim 10 wherein the alias schedule comprises a time for the alias translation to remain active.

18. The software product of claim 10 wherein the access server software is operational when executed by the processor to direct the processor to generate and transmit a request for the alias translation to a database system in response to the determination that the alias translation does not exist for the first alias in the alias schedule, receive a reply including the alias translation from the database system, and process the reply to store the alias translation in the alias schedule.

19. A method of operating an access system including an access server to provide access between a user system and a plurality of communication networks that provide services to a user, the method comprising:

receiving a request for an alias translation for an alias into a database system from the access server;

processing the request to generate the alias translation; and

generating and transmitting a reply including the alias translation to the access server.

20. The method of claim 19 wherein processing the request further comprises determining whether the request is an appeal for the alias translation.

21. The method of claim 19 further comprising retrieving a user access profile.

22. The method of claim 19 further comprising retrieving a profile for the user's network device.

23. The method of claim 19 wherein processing the request to generate the alias translation further comprises calculating a time for the alias translation to remain active and wherein the reply includes the time for the alias translation to remain active.

5 24. A software product for providing access between a user system and a plurality of communication networks that provide services to a user, the software product comprising:

database system software operational when executed by a processor to direct the processor to receive a request for an alias translation for an alias into a database system from an access server, process the request to generate the alias translation, and generate
10 and transmit a reply including the alias translation to the access server; and
a software storage medium operational to store the database system software.

25. The software product of claim 24 wherein the database system software is operational when executed by the processor to direct the processor to determine whether the request
15 is an appeal for the alias translation.

26. The software product of claim 24 wherein the database system software is operational when executed by the processor to direct the processor to retrieve a user access profile.

20 27. The software product of claim 24 wherein the database system software is operational when executed by the processor to direct the processor to retrieve a profile for the user's network device.

25 28. The software product of claim 24 wherein the database system software is operational when executed by the processor to direct the processor to calculate a time for the alias translation to remain active and wherein the reply includes the time for the alias translation to remain active.

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29. An access system for providing access between a user system and a plurality of communication networks that provide services to a user, the access system comprising:

an access server connected to the user system and the plurality of communication networks and configured to receive information including a first alias, process the

5 information to determine whether an alias translation exists for the first alias in an alias schedule, modify the information based on the alias translation in response to the determination the alias translation exists, generate and transmit a request for the alias translation to a database system in response to the determination that the alias translation does not exist for the first alias in the alias schedule, receive a reply including the alias
10 translation from the database system and process the reply to store the alias translation in the alias schedule; and

the database system connected to the access server and configured to receive the request for the alias translation for the alias from the access server, process the request to generate the alias translation, and generate and transmit a reply including the alias

15 translation to the access server.

30. The access system of claim 29 wherein the access server is configured to translate the first alias into a second alias for a network device.

20 31. The access system of claim 29 wherein the access server is configured to translate the first alias into a network address of a network device.

32. The access system of claim 29 wherein the first alias comprises a domain name.

25 33. The access system of claim 29 wherein the first alias comprises a network address.

34. The access system of claim 29 wherein the first alias comprises a macro for a network resource.

35. The access system of claim 29 wherein the alias schedule comprises the alias translation.

5 36. The access system of claim 29 wherein the alias schedule comprises a time for the alias translation to remain active.

37. The access system of claim 29 wherein the database system is configured to determine whether the request is an appeal for the alias translation.

10 38. The access system of claim 29 wherein the database system is configured to retrieve a user access profile.

39. The access system of claim 29 wherein the database system is configured to retrieve a profile for the user's network device.

15 40. The access system of claim 29 wherein the database system is configured to calculate a time for the alias translation to remain active and wherein the reply includes the time for the alias translation to remain active.